

## imm6-26 PROM MEMORY MODULE

- Provides sockets for up to sixteen PROMs (4096 x 8)
- Static memory, no clocks required
- Interfaces with either imm4-42 4-bit Central Processor Module or imm8-82 8-bit Central Processor Module
- Accepts Intel 1602A or 1702A PROMs or 1302 ROMs
- Logic to allow any mix of PROM in 256 byte (8-bits) increments with RAM to 16k when used with the imm8-82 8-bit Central Processor Module
- Built in decoding of module select for expansion to 65k of memory

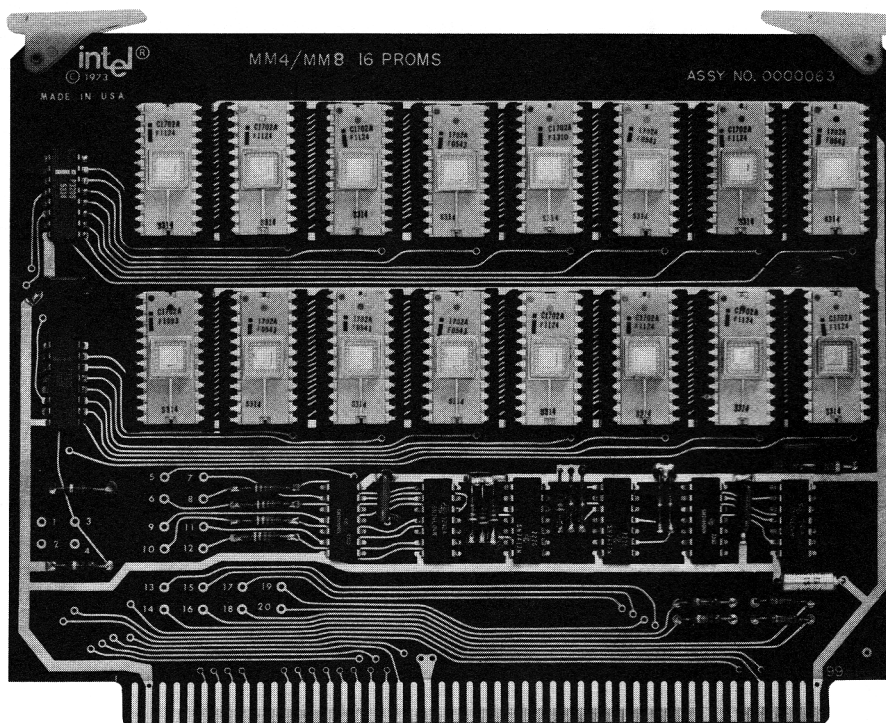
The imm6-26 PROM Memory Module may be used with either the imm4-42 4-bit Central Processor Module or the imm8-82 8-bit Central Processor Module. Each PROM Memory Module has sockets for from one to sixteen of Intel's 1602A or 1702A PROMs. In addition, the 1302 mask programmed ROM may be used in place of the PROMs in OEM applications.

The imm6-26 PROM Memory Module provides a capacity for up to 4096 instructions for MCS-4 systems. It interfaces directly with the imm4-42 4-bit Central Processor Module.

The PROM Memory Module is used for program storage and look-up-tables with the MCS-8 8-bit Micro Processor. It interfaces directly with the imm8-82 Central Processor Module and may be used with the imm6-28 RAM Memory Module in any combination to 16k bytes. Special control logic on the imm6-28 module allows any mix of PROM and RAM in a system in 256 byte increments.

For memories larger than 4k bytes, decoding on the module allows addressing of up to sixteen imm6-28 modules for a total of 65k bytes of memory. The decoding is accomplished on the module connector. Any imm6-26 may be plugged in to any memory module connector.

All imm6-28 modules come ready for use with the imm8-82 8-bit Central Processor Module. For use with the imm4-42 4-bit Central Processor, several connections on the imm6-28 must be removed.



PROM Memory Module

## PROM Memory Module Specifications

Memory Size:	4k bytes
Word Length:	8 bits
Memory Expansion:	To 65k bytes (16 modules)
Interface:	TTL compatible inputs; open collector outputs (positive true logic)
Capacity:	256 to 4096 bytes in 256 byte increments
Connector:	Dual 50-pin on 0.125 in. centers. Connectors in rack must be positioned on 0.5 in. centers min. Wirewrap P/N C800100 from SAE P/N VPB01C50E00A1 from CDC

Board Dimensions: 6.18 in. x 8.0 in. x 0.062 in. Board to be on 0.5 in. centers minimum.

Operating Temperature: 0°C to 55°C

DC Power Requirement:  $V_{CC} = +5V \pm 5\%$   $I_{CC} = 1.6A \text{ max.}, 1.1A \text{ typical}^{(2)}$   
 $V_{DD} = -10V \pm 5\% \text{ or } -9V \pm 5\%^{(1)}$   $I_{DD} = 1.6A \text{ max.}, 1.0A \text{ typical}^{(2)}$

(1) Voltage is dependent on use with MCS-4 or MCS-8.

(2) Board loaded with all 16 PROMs.

## imm6-26 Block Diagram

